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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/665,715 | 09/20/2000 | Richard Scheel | 80398.P331 | 5599 |

7590 02/05/2003

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EXAMINER

HUYNH, KIM T

ART UNIT

PAPER NUMBER

2189

DATE MAILED: 02/05/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

| | | |
|---|--------------------------------------|--|
| Application No. 09/665,715 Examiner Kim T. Huynh | Applicant(s) SCHEEL ET AL. | |
|---|--------------------------------------|--|

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 20 September 2000.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-20 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1-20 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on 20 September 2000 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.
 If approved, corrected drawings are required in reply to this Office action.

12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 a) The translation of the foreign language provisional application has been received.

15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

| | |
|--|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ . |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Title

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b).

Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

3. Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Toguchi (US Patent 6,408,355)

a. As per claims 1, 15, 18, Toguchi discloses method of maintaining communications in a bus bridge (fig.9, 6) interconnect comprising a plurality of buses linked by at least one bus bridge, the method comprising:

- receiving a change indication signal from a talker (fig.2, 2nd) node; (col.2, 30-65)
Sender
Sending request - implies change indication
Receiving, del by making
- performing an address resolution protocol in response to the change indication signal

to find an updated node identification address("nodeID") for a listener node using a

extended unique identifier (fig.2, 5) ("EUI") of the listener node; and (col.4, lines 7-17),

(col.6, lines 23-26)

- storing (fig.3, 3) the updated listener (fig.2, 3) nodeId with the listener node EUI.

IR m - transactⁿ
control
col 8, line 36-48

col 4, 25 - 36 complete rec, 7 in se

b. As per claim 2, Toguchi discloses further comprising transmitting a signal including the updated nodeId for the listener. (col.8, lines 36-48)

c. As per claim 3, Toguchi discloses wherein performing an address resolution protocol comprises examining a bus bridge to see what buses exist, searching each bus until a matching EUI is found, and identifying the nodeId associated with the matching EUI. (col.7, lines 49-67), (col.8, lines 5-7)

d. As per claim 4, Toguchi discloses wherein the change indication signal is a net change signal. (col.7, lines 56-67)

e. As per claim 5, Toguchi discloses wherein the buses are similar to a version of the IEEE standard 1394 bus. (fig.2, 4)

f. As per claim 6, Toguchi discloses wherein the updated listener nodeId and listener node EUI are stored in a bus bridge portal. (col.8, lines 36-48)

g. As per claims 7, 11, 16-17, 19-20, Toguchi discloses a method of maintaining communications in a bus bridge interconnect comprising a plurality of buses linked by at least one bus bridge, the method comprising:

- receiving a signal from a talker node at a controller (fig.6, 52) node;
- transmitting the signal from the controller node to a listener node with an updated controller nodeId as the source nodeId and the controller node EUI as the source EUI; (col.6, lines 1-16)
- searching the listener node memory (fig.6, 53,54) for the controller node EUI;

- comparing, if the received controller node EUI matches a stored controller node EUI, the received controller nodeID to a stored controller nodeID associated with the stored controller node EUI; (col.7, lines 42-67), (col.8, lines 1-48)
- replacing the stored controller nodeID with the received controller nodeID in the listener node memory if the received controller nodeID does not match the stored controller nodeID. (col.7, lines 42-67)

h. As per claims 8, 12, Toguchi discloses transmitting a reply signal including the updated nodeID and the EUI of the controller node. (col.8, lines 1-7)

i. As per claims 9, 13, Toguchi discloses discarding the received message if the received controller node EUI does not match a stored controller node EUI. (col.7, lines 49-55)

j. As per claims 10, 14, wherein the buses are similar to a version of the IEEE standard 1394 (fig.2, 4) bus.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Baker et al. [USPN 6,434,649] discloses timed-loop arbitration

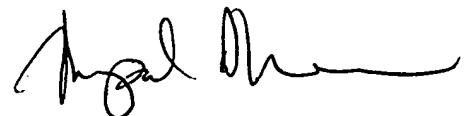
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kim Huynh whose telephone number is (703)305-5384 or via e-mail addressed to [kim.huynh3@uspto.gov]. The examiner can normally be reached on M-F 8:30AM- 6:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Rinehart can be reached on (703) 305-4815 or via e-mail addressed to [mark.rinehart@uspto.gov]. The fax phone numbers for the organization where this application or proceeding is assigned are (703)746-7249 for regular communications and (703)746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)306-5631.

Kim Huynh

Jan. 3, 2003



RUPAL DHARIA
PRIMARY EXAMINER